

Contributors to This Issue

GILBERT F. AMELIO, Ph.D. (Physics), 1968, Georgia Institute of Technology; Bell Laboratories, 1968-1971. Mr. Amelio has been engaged in the development of the silicon diode array camera tube target and in the investigations associated with the study of charge-coupled devices. Member, American Physical Society, IEEE, Sigma Xi.

G. M. BABLER, B.S., 1963, M.S., 1965, and Ph.D. (Physics), 1968, University of Missouri; Bell Laboratories, 1968—. Mr. Babler has done modeling and data analysis work on various aspects of electromagnetic wave propagation in random media. He presently is performing studies to more precisely quantify the atmospheric propagational constraints on line-of-sight microwave radio communication channels.

C. N. BERGLUND, B.Sc. (E.E.), 1960, Queen's University, Kingston, Ont.; M.S.E.E., 1961, Massachusetts Institute of Technology; Ph.D. (E.E.), 1964, Stanford University. Research Assistant, M.I.T., 1960-61; Research Associate, Department of Electrical Engineering, Queen's University, Kingston, 1961-62; Research Assistant, Stanford Electronics Laboratories, 1962-64. Bell Laboratories, 1964—. Mr. Berglund is a supervisor in the Semiconductor Device Laboratory. Member, APS.

LEONARD G. COHEN, B.E.E., 1962, City College of New York; Sc.M., 1964, and Ph.D. (Engineering), 1968, Brown University; Bell Laboratories, 1968—. At Brown University, Mr. Cohen was engaged in research on plasma dynamics. At Bell Laboratories, he has concentrated on the study of optical transmission techniques. Member, IEEE, Sigma Xi, Tau Beta Pi, Eta Kappa Nu.

CALVIN M. MILLER, B.S.E.E., 1963, North Carolina State University; M.S.E., 1966, Akron University; Bell Laboratories, 1967—. Mr. Miller has been engaged in developing equipment and methods for transmission line characterization. His present interest is in the area of exploratory transmission lines.

SCOTTY R. NEAL, B.A. (Mathematics), 1961, M.A. (Mathematics), 1963, and Ph.D. (Mathematics), 1965, University of California, River-

side; Research Mathematician, Naval Weapons Center, China Lake, California, 1964-1967; Bell Laboratories, 1967—. Since coming to Bell Laboratories, Mr. Neal has been primarily concerned with the analysis of various aspects of telephone traffic systems. He has also worked on applications of optimal linear estimation theory and certain aspects of communication theory. Member, American Mathematical Society.

B. OWEN, B. Tech. (Eng.), 1963, Welsh College of Advanced Technology, Cardiff, Wales; Ph.D. (E.E.), 1967, Birmingham University, England; Postdoctoral Fellow, Birmingham University, 1967-68; Bell Laboratories, 1968—. Mr. Owen is a member of the Solid State Microwave Device Department, and is presently engaged in the development of millimeter-wave circulators.

DAVID SLEPIAN, University of Michigan, 1941-1943; M.A., 1947, and Ph.D., 1949, Harvard University; Bell Laboratories, 1950—. Mr. Slepian has been engaged in mathematical research in communication theory and noise theory, as well as in a variety of aspects of applied mathematics. During the academic year 1958-59, he was a Visiting Mackay Professor of Electrical Engineering at the University of California at Berkeley and during the Spring semesters of 1967 and 1970 he was a Visiting Professor of Electrical Engineering at the University of Hawaii. He was Editor of the Proceedings of the IEEE during 1969 and 1970. Fellow, IEEE, Institute of Mathematical Statistics. Member, AAAS, American Mathematical Society, SIAM.

R. J. STRAIN, B.S.E.E., 1958, M.S., 1959, Ph.D., 1963, University of Illinois. After working with Standard Telecommunication Laboratories, England, Mr. Strain joined Bell Laboratories in 1965. His initial activities in the Electron Device Laboratory were concerned with electroluminescent display devices, particularly GaP diodes. In 1968 he joined the Semiconductor Device Laboratory as a supervisor, and he is now in charge of the Charge Transfer Device Group. Member, APS, AAAS, ECS, IEEE, Sigma Xi.